

Effect of the Feed Rate of the Reagents
on the Kinetics of Liquid-Phase Oxidation
of Cyclohexane, by V. V. Lipin, M. S.

Furman, 9p.

RUSSIAN, per, Khimicheskaya Promyshlennost',
No 8, 1964, pp 569-574.

ATS-4748

ATS-4748

333, 831

Sci

Aug 67

Thermodynamics of the Alkylation of Toluene
by Ethylene, by V. A. Sidorov.
RUSSIAN, per, Khimicheskaya Promyshlennost,
Vol 40, No 8, 1964, pp 574-577.
ATS-79889R

Sci-Chem
Sept 66

310,356

Investigation of macrokinetic synthesis of
methyl alcohol over an industrial catalyst at
high pressures, by V. M. Vlasenko, et al
RUSSIAN, per: Khimicheskaya promyshlennost',
1964, No 8, pp 577-582
NLL RTS 2969
(ON LOAN OR PURCHASE)

Sci

May 67

325,890

Heat Relationships of the Process of
Producing Chlorine and Sodium Hydroxide
by Diaphragm Electrolysis, by V. N. Suckhov.
RUSSIAN, per, Khimicheskaya Promyshlennost,
No 8, 1964, pp 597-605.

TC-905

NLL - RTS - 2747

Sci-Chem
Sept 66

303,868

The Optimum Design of Ammonia and Methanol
Synthesis Reactors with Internal Heat Exchanger,
by O. V. Rykantsev, et al.
RUSSIAN, per. Khim. Prom., No 8, 1964, pp 605-610.
NLL Ref: 5828.4F 1966 (11625)

NLL Ref: 2970

Sci-Chem
Sept 66

309,568

NCH-202 363 (p.355-359)

Field 7C

Lipes, V. V.; Kazaniseva, L. K.; Goltysheva, N. A.
Furman, M. S.INVESTIGATION OF THE COMPOSITION OF ACIDS
FORMED IN THE LIQUID-PHASE OXIDATION OF CY-
CLOHEXANE BY ATMOSPHERIC OXYGEN. Apr 62, 5p.
15 refs.Order from ICE in International Chemical Engineering,
v5 n2Trans. of Khimicheskaya Promyshlennost (USSR) n9 128-31
1964.I. American Institute of
Chemical Engineers
New York, N. Y.

NCH-202 363 (p.231-236)

Field 7A

Axel, D. S.
MODELING OF PROCESSES FOR THE LIQUID-PHASE
OXIDATION OF HYDROCARBONS. Apr 65, 6p, 7 refs.
Order from ICE in International Chemical Engineering,
v5 n2

Trans. of Khimicheskaya Promyshlennost (USSR)
n9 p49-53 1964.

I. American Institute of
Chemical Engineers
New York, N. Y.

Catalytic Production of Cyclohexane, by
G. D. Iyubarskii, Yu. S. Snagovskii.
RUSSIAN, per, Khim Prom. Vol 40, No 9, 1964,
pp 643-649.
ATS-RJ-4342

Sci
Dec 68

353,888

Electrochemical Dimerisation - a Promising Method
of Synthesising Organic Compounds, by E. Ya.

Floshin, A. P. Tomilov.

RUSSIAN, per, Khim Prom, No 9, 1964, pp 649-657.

NLL 5828.41 (5930)

Sci-Chem
Jul 68

361,613

The Explosive Decomposition of Acetylene,
by S. A. Yantovskiy.
RUSSIAN, per, Khimicheskaya Promyshlennost,
No 9, 1964, pp 683-686.
SLA TT-66-10336

Sci-Chem
Aug 66

308,476

Investigation of the Composition of Acids
Formed in the Liquid-Phase Oxidation
of Cyclohexane by Atmospheric Oxygen,
by V. V. Lipes, L. K. Kuznetsova,
N. A. Gol'tynova, M. S. Furman, 14 pp.
RUSSIAN, per, Khimicheskaya Promyshlennost',
Nov 9, 1964, pp 693-698
ATC-46808

333,632

Sci
Aug 67

Determination of the Interfacial Area in the
Gas-Liquid System on Contact Plates, by A. I.
Rodinov, A. M. Kashnikov.
RUSSIAN, per, Khimicheskaya Promyshlennost'.
No 10, 1964, pp 17-21.
NIL RTS 3487

Sci-Mech
Nov 67

345.305

Mathematical Description of the Rectifi-
cation Process for Static Optimization
of Operative Industrial Columns, by
V. P. Maikov.
RUSSIAN, per, Khim Prom, Vol 40, No 10,
1964, pp 772-776.
NTC 69-11316-07A

Sci-Chem
July 69

386,996

Sealing of Porous Carbon-Graphite Materials by
Pyrolytic Carbon in the Process of Their Heat Treat-
ment in an Atmosphere of Natural Gas, by V. K.
Pechik, K. I. Makarov, and P. A. Tesner, 18 pp.
RUSSIAN, per, Khimicheskaya Promyshlennost', No 11,
Nov 1964, pp 8-13.
JPRS 29593

Sci-Chem
Apr 65

278,915

Party-State Control in the Chemical Industry,
by V. G. Khor'kov, 7 pp.
RUSSIAN, per, Khimicheskaya Promyshlennost',
No 11, Dec 1964, pp 1-4.
JPRS 28774

USSR
Econ
Mar 65

276,163

Mathematical Description of an Amalgam
Decomposer as an Object of Control,
by A. V. Ogorodnik.
RUSSIAN, per, Khimicheskaya Promyshlennost,
No 11, 1964, pp 49-52.
TC-1398

GB39/H02214

Sci-Chem
Sept 66

303,864

Improvement of Living and Working Conditions
for Young Workers in the Soviet Chemical In-
dustry, by V. S. Golovanov, 8 pp.

RUSSIAN, per, Khimicheskaya Promyshlennost,
No 11, 1964, pp 63-66.

JPRS 29172

USSR
Econ
Mar 65

276,803

Design of Sparged Reactors For the Liquid-Phase
Oxidation of Hydrocarbons, by D. S. Asbel,
L. A. Muzychenko.

RUSSIAN, per, Khim Prom, Vol 40, No 12,
1964, pp 881-887.
ATS-1755

Sci.

Doc: 68

358,691

Evaluation of the Quality of Spray Obtained
During Ultrasonic Dispersion of Liquids and
Gels, by V. F. Popov. 11 pp.

RUSSIAN, per, Khimicheskaya Promyshlennost,
No 12, 1964, pp 898-901. P100011566

FTD-TT-65-1960

Sci/Chemistry
Sep 66

309,333

Vibration-Fluctuated Bed and Some of Its Properties,
by V. M. Chlenov, N. V. Mikhalev.
RUSSK. M. per. Khim. Prom. No 12, 1964, pp 910-913.
PACU

Sci-Chem
Apr 65

Industrial Utilization of Fluidized Bed
Driers, by A. V. Skurskii, B. S. Sazhin.
RUSSIAN, per, Khim Prom, No 12, 1964,
pp 913-920.
Chem Trans Sv No 2732

Sci-Chem
Mar 67

320,892

Nitric Acid Apatite Solutions in the
Production of Complex Fertilizers,
by V. I. Gladushko.
RUSSIAN, per, Khim Prom Mash-Tekhn 2B,
No 3, 1964, pp 43-45.
Chem Trans Sv No 3058

si-Chem

Mar 67

322,108

Use of Plastics in Airplane Construction, by B. A. Kiselev, 22 pp.

RUSSIAN, bk, Khimicheskaya Promyshlennost',
Primeneniye Plastmass v Aviastroenii, 1958, 19 pp.

ATIC MCL-387/v

Sci - Engr, Aeronautics
Jun 60

118,609

Evaluation of the Quality of a Dispersion Ob-
tained by Sonification of Liquids and Melts, by

V. F. Popov.

RUSSIAN, per. Khim. Prom. St., Vol 12, 1964,

pp 18-21.

NIL RTS 3766

Sci-Chem

Nov 67

345,320

Dilatometric Investigation of Processes Taking Place
in the Batch During Heating, by O. O. Alentev.

RUSSIAN, per, Khimichna Promyslovist, No 3, 1963,
pp 28-29.

NTC-71-10133-11B

Nov 71

Colorimetric Determination of Erytuloses,
by J. Sonin, M. Kucharova, 7 pp.

RUSSIAN, per, Khim Rabot, Vol XXI, No 5, 1956,
pp 1352-1354.

NIH 3-12

Sci - Chemistry
Apr 57 CTS/dex

45,749

Investigation of the $\text{HF} - \text{WO}_3 - \text{H}_2\text{O}$ System, by
E. S. Nikolayev, 11 pp.

RUSSIAN, per, Khim Redkikh Elementov, Ak Nauk SSSR,
Inst Goschimi i Neorg Khim, Vol I, 1954, pp 45-51.

AEC Tr-4210

Sci - Chem
19 Jan 61

137,317

On the Interaction of Cobalt With Indium, by A. N.
Khlapova, 14 pp.

RUSSIAN, per, Khimia Redkikh Elementov, Ionkh, Ak
Nauk SSSR, No 1, 1954, pp 115-120.

SLA Tr R-1374

Sci

Jun 58

65,883

On the Interaction of Germanium With Chemical Elements,
by E. A. Boom, 14 pp.

RUSSIAN, per, Khimia Redkikh Elementov, Ionkh, Ak
Nauk SSSR, No 1, 1954, pp 121-130.

SIA Tr R-1372

Sci

Jun 58

65,879

Influence of Temperature on the Mechanical
Properties, by E. M. Savitskiy, V. F. Terakhova.
8 pp.

Dr
RUSSIAN, *per*, Khim Redk Elem, Vol V, No 2,
1955, pp 156-160.

SLA R-1784

Sci
Aug 58

68,892

Mechanism of Electrolytic Preparation of Borides
of Difficult Fusible Metals, by G. A. Meyerson,
M. P. Smirnov, 21 pp.

RUSSIAN, per, Krim Red Elementor, No 2, 1958,
pp 136-147.

LC or SLA 59-10051

Sci - Chemistry
Feb 59

2.70 micro
4.80 photo

81,544

Chemical Equilibria and Reaction Rates at
High Pressures, by M. G. Gonikberg, 212 pp.

RUSSIAN, bk, Khimicheskoye Raynovesie i Skorost'
Reaktsii Pri Vysokikh Davleniyakh, 1960.

NASA TT-F-95
PL-480

NLL (LOAN) REF 8731.9 1963(95)

Sci - Physics
Jul 63

QTS 62-11033
236,222

Organic Reactions in Electrical Discharges, by
N. S. Pechuro.
RUSSIAN, bk, Khimicheskie Reaktsii Organicheskikh
Produktov v Elektricheskikh Razryadakh, Nauka.
PLENUM PRESS

Sci/Electronics
Aug 67

336,624

S-760/62

The Chemistry of Reaction Fuels, by Ya. M. Paushkin 1378.

RUSSIAN, bk, Khimiya Reaktivnykh Toplivo, Moscow, 1962,
pp 3,4,7,8,287-288,401-406, 434-436.

*JPRS/DC-8200

Sci - Chem
Nov 62

* FTD- 77- 62 -1417 (9667842-V)
OSI notified - JPRS will
still do the above pages

The Chemistry of Reaction Fuels, by
Ya. M. Panshkin, 715 pp.

RUSSIAN, bk, Khimiya Reaktivnykh Toplivo, 437 pp.
9667012-V.

FTD-FF-62-1417

Sci-Fuels
Feb 63

221, 512

The Isotherm of Solubility of the
System $\text{Li} - \text{HF} - \text{H}_2\text{O}$ at 25° , by L. V.

Tammanov, Ily.

RUSSIAN, per, Khimiya Meditsinsk Khimistov,

Vol 1, 1954, pp 33-39.

SEA TR 64-20836

333, 789

Sci

Jul 67

Influence of Some Physicochemical Properties of
Crude Oil Emulsions on Their Photocidal and
Toxic Properties, by V. S. Lukmina,
RUSSIAN, coll, Khimi. Sel'sk. Khoz., No 5,
1964, pp 28-30.
*FTD-HT-67-231

Sci. and
Feb. 7

Russian

CNP; 1860/16
USSR Agric
13 Mar 69

DC
EF

Moscow, Khimika y Sel'skoye Khoz., No. 2 69, pp: 2-5
(Grain Crop Problems)

327

Chemistry of Organic Sulfur Compounds in Petroleum
and Petroleum Products. 364 pp.
RUSSIAN, rpt, Khimiya Serya-organicheskikh Soedinenii,
Soderzhashchikhya v Neftyakh i Nefteprodukтах.

Proceedings of the 3rd Scientific Session Held in
Ufa, Jan 3-8, 1957.
SPCSI TT 65-50090

Sci/Chemistry
Aug 65

287,398

Chemistry of Sulfur Organic Compounds in Petroleum
and Petroleum Products; papers of the second
scientific session.

RUSSIAN, ¹² per, Khimiia sera-organicheskikh
soedinenii, soderzhashchikhsia v neftiakh i
nefteproduktakh; materialy II nauchnoi sessii,
Vol I, 1958, 228 p.

✓ PL 480 UTS 61-31074
Dept of Interior

Sci
Mar 61

Chemistry of Organic Sulfur Compounds in Crudes and
Petroleum Products, 51 pp.

RUSSIAN, bk, Khimiya Seryorganicheskikh Soyedineniy
Soderzhashchikhaya v Neftiyakh i Nefteproduktakh,
(Materialy III Nauchnoy Sessii), Moscow, Izd-vo AN
SSSR, 1959, pp 269-292, 304-315. 9660006

AFIC MCL-579/V

Sci - Chem

Oct 60

128,488

Determination of Elementary Sulfur in Jet Fuels, by
A. G. Ryasnyanskaya, *6 pp*

RUSSIAN, bk. ~~Sovetsk~~ Khimiya Seraorgan Soyedineniy,
Soderzhashchikhsya v Neftiyakh i Nefteproduktakh,
Vol IV, 1961, pp 71-74. *9. 2. 62*

6 FTD-TT-62-1451

Sci. *Chim.*

18 Oct 62

Chemistry of Sulphur Organic Compounds Contained
in Petroleum and Petroleum Products, by
P. D. Obolentsev, A. V. Agafonov.

RUSSIAN, bk, Khimiya Seraorganicheskikh
Soyedineniy, Soderzhashchikhsya v Neftyakh i
Nefterproduktakh, Ak Nauk SSSR, Bashkirskiy Filial,
Gostoptekhizdat, Vol V, 1963, pp 149-182.

*FTD-MT-64-215

Sci - Fuels & Prop
Apr 64

Influence of Natural and Synthetic Sulphur and
Nitrogen Containing Compounds on the Thermooxidizing
Stability of ~~K~~Direct Distillation of Fuels, by
G. F. Bol'shakov, P. I. Davydov, 15 pp.
RUSSIAN, bk, Khimiya Seraorgan Soyed, Soderzhash
v Neft i Nefteprod, Vol V, 1963. 9696125
FTD- MI-64-215
GOV'T USE ONLY

Sci ' fuels
Mar 65

275,616

Influence of Organic Sulfur Compounds on
Exploitation Properties of Fuel TS-1, by
Ya. B. Chertkov, V. M. Shchagin, 16 pp.
RUSSIAN, bk, Khimiya Seraorganicheskikh Soyedineniy,
Soderzhashchikhsya v Neft'yakh i Nefteproduktakh,
Vol V, 1963, pp. 194-212. 9696125
FTD-MT-64-215
GOV'T USE ONLY

Sci ' Fuels & Prop
Mar 65

275,615

Investigation of the Thermal Stability and
Corrosiveness of Sulfurous Fuels at Temperatures
Above 100 C, by Ye. R. Tereshchenko, ~~Mod Yev Tararyshkin~~
M. Ye. Tararyshkin, 10 pp.
RUSSIAN, bk, Khimiya Seraorgan Soyed, Soderzhash
v Neft i Nefteprod, Vol V, 1963. 9696125
FID-MI-64-215
GOV'T USE ONLY

Sci ' Fuels
Mar 65

275,617

Chemistry of Organic Sulfur Compounds Contained
in Petroleum and Petroleum Products.

RUSSIAN, in, Khimiia seryvernnykh i beskislkh soedinenii,
soderzhashchiesia v neftiakh i nefteproduktakh,
Akademiia Nauk SSSR, Bashkirskii Filial, Vol III,
1964, 287 pp.

*CFSTI TT 68-50614

Sci/Chem
May 68

Analysis of the Composition of Sulfur-
Organic Compounds in the Kerosene - Gas
Oil Fractions of Petroleum, by
G. F. Bol'shakov, Ye. A. Glevovskaya.
RUSSIAN, bk. Khimiya Soraorganicheskikh
Soyedineniy. Soderzhashchiysya v Neftyakh
i Ikh Proizvodstakh, Vol VI, 1964, pp 53-65.
FTI-PI-65-282

Sci - Chem
Aug 65

Chemistry of Organic Sulfur Compounds in Petroleum and Petroleum Products.
RUSSIAN, rpt, Khimiya Seraorganicheskikh Soedinenii Soderzhashchikhsya v Neftyakh i Nefteprodukтах, Vol 6, 1964.
CISTI TT 67-51251

Sci/Propulsions & Fuels
Oct 67

339,624

Chemical Compositions and Properties of Jet
Propellants, by Ya. M. Pashkin, 496 pp.

RUSSIAN, bk. Khimicheskiy Sostav i Svoystva
Reaktivnykh Toplivo, Moscow, 1958, 376 pp.

ATTC F-18-9716/V

Sci - Chemistry
Nov 59

102,423

Chemistry of Peroxide Compounds, 120 pp.
RUSSIAN, bk, Khimiya Soyedineniy Peroksid
AN SSSR, Institut Obshchey i Neorganicheskoy
Khim, Moscow, 1963. 9697428-V
FTL-TT-64-958

Sci-Chem
Jul 63

263,550

(FID 18290)

Chemical Methods of N Weed Control, by I. I. GUMER,
M. M. Berezovskiy, 152 pp.

RUSSIAN, bk. Khimicheskiye Sredstva Bob'by
s Sornyakami, Moscow, 1952, pp 2-142.

CIA/FDD/U-5426

USSR

Sol - Chem

Ref 24

10,356

MT 906
Russian
Economic

304
CNO: 1830
Con, Constr Mach & Bldg
Mat
9 Aug 66 22 AUG 1966
Economic

Moscow, ~~Pravda~~ ~~Pravda~~, 31 Jul 66, pp: 2, 3
Moscow, ~~Pravda~~ ~~Pravda~~, No. 7, 66
pp: 27-28
Moscow, ~~Pravda~~ ~~Pravda~~, 8 Jul 66, p. 2

329

4647104
151

Bersuker, Y. B. and Ablov, A. V.

Chemical bond in complex compounds. Mishinev, 1962.
200 p.

Khimicheskaya svyaz' v kompleksnykh soedineniyakh.

S/T *gub.*

* *Handwritten note* pr 075

May 63

Mass Transfer in Processes of Film Rectification-
~~and~~ Turbulent Vapour Flow, by V. A. Malyusov, et al.

RUSSIAN, per, Khim Tekh, Vol CV, No 5, 1955, p 1057.

NLL M. 2748

Sci - Phys

Jan 62

180, 053

Chemistry, Technology, and Calculation of the Processes
of Motor Fuel Synthesis, by M. P. Nagiyev, 40 pp.

RUSSIAN, bk, Khimiya, Tekhnologiya i Raschet
Protsessov Sintesa Motornykh Toplivo, 1955, pp 65-95.

ATIC MEL-578/III

Sci - Fuels

Oct 60

128,118

Data on the Chemistry, Technology, and Computation
of the Processes of Synthesis of Motor Fuels, by
M. F. Nagiyev, 16 pp.

RUSSIAN, book, Khimiya, Tekhnologiya i Raschet
Protsessov Sinteza Motornykh Toplivo, Izdatel'stvo
Akademii Nauk SSSR, Moscow 1955, AF-689440. Encl to
IR-1097-56, 30 Jan 1956, CIA D-411567.

AF-722920

32,911

USSR

Chemistry/Fuels

Scientific

Apr 56

A. Formation of Oxides of Metals on Fibers;
B. Preparation of Thickeners and Printing Dyes;
by F. I. Sadov, P. P. Viktorov, M. V. Korchatin,
A. I. Matetskiy, 14 pp, (ID 941237). UNCLASSIFIED

RUSSIAN, bk, Khimicheskaya tekhnologiya volokna
stykhn Materialov, Moscow, 1952.

G-2, CSUSA G-1452

USSR

Scientific - Chemistry

Nov 53 CTS

7191

Chemical Thermodynamics, by A. N. Krestovnikov and
V. N. Vigdorovich, 214 p.
RUSSIAN, mono, Khimicheskaya Termodinamika, 1962.
IPST-2155

Sci-Chem
Jun 66

303,715

(FDD 24180)

Subject Index to "Chemical Products Handbook"
by I. G. Molotov, 48 pp.

RUSSIAN, bk. Khimicheskiye Tovary-Spravochnik,
pp 1003-1028.

CIA/FDD/U-7007

USSR

Sci - Chemistry, chemical products

CTB 68/May 55

25, 271

Standard Specifications for Various Chemical
Products, 12 pp. UNCLASSIFIED

RUSSIAN, bk, ~~Khimicheskiye~~ ~~Tovary~~-Spravochnik, 1954,
Encl to AFOIN-1A1-103-55, 3 Jan 1955. CIA D 138271

AF 645520

Scientific - Chemistry

Mar 55 CTB/DEX

22, 322

Chemistry of Cyclopentanone, by A. N. Elizarova.
RUSSIAN, Dr., Khimiya Tsiklopentanonov, 1967,
tce

Sci/Chemistry
Dec 67

345,661

Methane Synthesis at Various Temperatures With
Various Catalysts, by I. E. Rappoport, A. P.
Bluydov, 10 pp.

RUSSIAN, par, Khim Tverdogo Topliva, Vol V, 1934,
pp 625-632.

Sci - Chem

Arp 62

Dept of Interior

7/17/57 7-1669

193, 778

CTD 62-2711

TT-61-16608

I. Petrov, A. D.

— Petrov, A. D.
SYNTHETIC LUBRICATING OILS. [1961] 13p 15ref.
Order from OTS, S.A., or ETC \$1.60 TT-61-16608

Trans. of Khimiya Tverdogo Topliva (USSR) 1934,
v. 5, p. 632-641.

DESCRIPTORS: *Synthetic lubricants, *Lubricants,
*Oils, Polymerization, Aluminum compounds,
Chlorides, Electric discharges.

(Materials--Lubricants, TT, v. 11, no. 3)

Office of Technical Services

Polozov, V. F.
BEHAVIOR OF SOME CATALYSTS IN HYDROGENA-
TION OF PHENOL TO CYCLOHEXANOL. [1961] 6p
17 refs

Order from OTS, SLA, or ETC \$1.10 TT-61-16606

Trans. of Khimiya Tverdogo Topliva (USSR) 1935,
v. 6, p. 78-82

DESCRIPTORS: *Phenols, *Hydrogenation, *Cyclo-
hexanols, Synthesis (Chemistry), *Catalysts, *Molyb-
denum compounds, Sulfides, Sulfur, *Cobalt catalysts,
Desulfurization

(Chemistry--Organic, TT, v. 11, no. 3)

TT-61-16606

I. Polozov, V. F.

Office of Technical Services

Rapoport, I., Blyudov, A., Shevyakova, L., and Frantsuz, E. SYNTHESIS OF GASOLINE FROM CARBON MONOXIDE AND HYDROGEN UNDER ATMOSPHERIC PRESSURE, I 14p 12refs. Order from OTS, SLA, or ETC \$1.60 TT-61-16628 Trans. of Khimiya (Tverdogo Topliva (USSR) 1935, v. 6, p. 221-233.	TT-61-16628 I. Rapoport, I. II. Blyudov, A. III. Shevyakova, L. IV. Frantsuz, E. (Materials--Fuels, TT, v. 12, no. 4) Office of Technical Services
--	--

Petrov, A. D., Antsua, L. I., and Andreev, D. N.
LUBRICATING OILS BY HYDROGENATION AND VOLT-
OLIZATION OF FRACTIONS OF PRIMARY TARS. 11p
9refs.

Order from OTS, SLA, or ETC \$1.60 TT-61-16609

Trans. of Khimya Tverdogo Topliva (USSR) 1933, v. 6,
p. 640-647.

TT-61-16609

I. Petrov, A. D.
II. Antsua, L. I.
III. Andreev, D. N.

(Materials--Lubricants, TT, v. 12, no. 4)

Office of Technical Services

Hydrogenation of Lignin, by B. L. Maldavsky,
S. M. Weinstein, 9 pp.

RUSSIAN, per, ~~Khim~~ Tverdogo Topliva, Vol VI,
1935, pp 656-662.

SLA Tr 1978

Sci

- *Chemistry*

53,300

Sep 57

Karzhhev, V. I., Siowa, A. N., and Sever'yanova, M. G.

A STUDY OF CATALYTIC REFORMING OF GASOLINE AND DESTRUCTIVE HYDROGENATION OF COAL TAR. II. PREPARATION OF HIGH OCTANE GASOLINES. 13p 58 refs.

Order from OTS, S.A. or ETC \$1.60 TT-61-16624

Trans. of Khimiya Tverdogo Topliva (USSR) 1936, v. 7, p. 287-298

(Materials - Fuels TT, v 12, no. 4)

TT-61-16624

I Karzhhev, V. I.
II Siowa, A. N.
III Sever'yanova, M. G.
IV Title: Preparation ...

Office of Technical Services

Preparation of Lower Phenols From Higher
Phenols, by I. B. Rapoport, M. R.
Masina.

RUSSIAN, per, Khim Tverdogo Topliva,
Vol VII, 1936, pp 694-710.

CSIRO

Sci - Chem
Jun 62

199, 206

Petrov, A. D., Pitakheauri, E. N., and Erzyutova,
E. I.

SYNTHETIC LUBRICATING OILS. V. PREPARATION
OF HIGHLY VISCIOUS AND THERMALLY STABLE
OILS. 9p. 6 refs.

Order from OTS, SLA, or ETC \$1.10 TT-61-16611

Trans. of Khimiyu Tverdogo Topliva (USSR) 1936, v. 7,
p. 890-902.

(Materials--Lubricants, TT, v. 12, no. 4)

TT-61-16611

- I. Petrov, A. D.
- II. Pitakheauri, E. N.
- III. Erzyutova, E. I.
- IV. Title: Preparation ...

Office of Technical Services

Thermodynamics of Reactions of Hydrocarbons, by
A. V. Frost, 28 pp. *107*

RUSSIAN, per, Khim Tverdogo Topliva, Vol IV, 1933,
pp 171-185.

ABC 3050

Sci - Chem

Oct 58

74, 891

Hydrogenation of Aleksandriyskiy Brown Coal
Components, by K. B. Vaysel'berg, 17:11

RUSSIAN, per, KhimTverdogot Topliva, No 8,
1937, pp 232-237. N

Dept of Interior
TN7, E57, No 288

118,831

Sci - Chem

Jun 60

OTS-60-1521
SLA

Nikiforov, V. K. and Rabchinskaya, K. V.
DEPENDENCE OF THE BOILING TEMPERATURES
UPON THE MOLECULAR WEIGHTS OF FRACTIONS
OF OIL AND LIQUID PRODUCTS OF COAL.
CARBONIZATION. [1961] 4p. 7 refs.
Order from CTS or SLA \$1.10

61-18127

Trans. of Khimiya Tverdogo Topliva (USSR) 1937,
v. 8, p. 499-502.

DESCRIPTORS: Coal, Carbonization, Petroleum,
Fractionation, Molecular weight, Liquids, Boiling,
Temperature.

(Unannounced)

61-18127

- I. Nikiforov, V. K.
- II. Rabchinskaya, K. V.

Office of Technical Services

Equilibrium Between Liquid and Gas at High
Pressures and Temperatures, by V. V. Plat'yov
and M. I. Lavina, 21 pp, Unclassified,

RUSSIAN, part, Khim Tverdogo Topliva, Vol 8, 1977
No 10, Dec 1937, pp 866-875.

ATIC F-TS-9670/V

075 63-20122

Sci - Russia

Nov 58

76, 822

Equilibrium Between Liquid and Gas at High
Temperatures and Pressure. III. Critical
Temperatures and Pressures of Petroleum
Products and of Their Mixtures With Gases,
by M. V. Kysakov, A. P. Brestkin, ~~to~~

may 8
RUSSIAN, per, Khim Tverdogo Top, Vol VIII, No 12,
1957, pp 1122-1137.

3

Dept of Int
US Bur of Mines
Central Exper Sta
Pittsburgh, Pa. No 303

Sci - Engr
May 59

8

87,745

Nuclear Explosions -- A World-Wide Hazard [a Danger to Humans], by A. M. Kuzin.

RUSSIAN, bk, Khim Ugrozhayut Chelovechestra Yadernyye, Moscow, 1959.

In English by

Russian Foreign Language
Publishing House

Copy in CIA Library

Chemistry of Uranium and Transuranium Elements,
by V. M. Vdovenko, 734 pp.
RUSSIAN, bk. Khimiya Ukrana Transuranovykh Elementov,
Moscow, Leningrad, 1960, 700 pp. 9225008-V;
AEC-Tr-6421

9225089-V

Sci-Chem
Oct 64

267,856

(NT-2394)

Chemistry in Atomic Engineering, by M. V. Mayman,
30 pp.

RUSSTAN, pamphlet, Khim v Atomnoy Tekh, Ser IV,
No 30, 1957, pp 2-32.

JPRS 1470-X

Sci - Nuc Phys
May 59

86,555

Mineral Fertilizers, by M. Ye. Pronin, I. A. Kalyazin,
10 pp.
RUSSIAN, per, Khim v Sel'skom Khoz, No 1, 1964, pp 3-6.
JPRS 28028

Sci - Agri
Feb 65

273,237

Mineral Fertilizers Basic Ways of Rational Use
of Fertilizers in Agriculture, by G. A. Cheremisinov,
9 pp.
RUSSIAN, par, Khim v Sal'skom Khoz, No 1,
1963, pp 3-6.
JPRS 26031

Sci - Agrl, Chem
Aug 64

265,956

Mineral Fertilizers Decisive Condition of
Production Growth of Agricultural Products,
by L. I. Sinyagin, 5 pp.
RUSSIAN, per. Khim. v Sel'sk. Khoz., No 1,
1963, pp. 7, 8.
JPRS 26031

Sci - Agri, Chem
Aug 64

265,957

Effect of Various Phosphoric Fertilizers Made From
Kara-Tau Phosphorite Upon Cotton Crops, by N. N. Zelenin,
8 pp.

RUSSIAN, per, Khim v Sel'skom Khoz, No 1, 1964, pp 7-9.
JPRS 28023

Sci - Agri
Feb 65

273,238

Chemical Analysis of Soils Basis of Fertilizer
Application, by A. V. Sokolov, 8 pp.
RUSSIAN, per, Khim v Sel'skom Khoz, No 1,
1963, pp 9-11.
JPPS 26031

Sci - Agri, Chem
Aug 64

265,958

Advantages of Production and Application of Ammonium
Chloride as a Fertilizer, by L. G. Chernega,
Z. T. Golovashchuk, 23 pp.
RUSSIAN, per, Khim v Sel'skom Khoz, No 1, 1964, pp 9-12.
JPRS 28023

Sci - Agri
Feb 65

273,239

Role of Nitric Feeding in Forming of Harvest,
by V. V. Tserling, 18 pp.
RUSSIAN, per, Khim v Sel'skom Khoz, No 1,
1963, pp 11-17.
JPRS 261031

Sci - Agri, Chem
Aug 64

265,959

The Use of Spectrum Analysis to Determine the Isotope
Structure of Nitrogen in Biological and Soil Samples,
by K. I. Obolenskaya, N. T. Zhadkova, 10 pp.
RUSSIAN, per, Khim v Sel'skom Khoz, No 1, 1964,
pp 13-16.
JPRS 28023

Sci - Agri
Feb 65

273,240

Methods for Determining the Stability of Suspensions
of Wettable Powderlike Pesticides, by V. P. Tropin, 11 pp.
RUSSIAN, per, Khim v Sel'skom Khoz, No 1, 1964,
pp 17-21.
JPRS 28023

Sci - Agri
Feb 65

273,241

On the Value of Magnesium and Magnesium
Containing Fertilizers, by M. M. Mazayeva, 12 pp.
RUSSIAN, per, Khim v Sel'skom Khoz, No 1,
1963, pp 17-21.
JPRS 26231

0

Sci - Agri
Aug 64

265,960

Complex Compound of Iron With Diethylenetriamine
Pentacetic Acid as a Means of Combating
Chlorosis, by V. M. Churbanov, 5 pp.
RUSSIAN, per, Khim v Sel'skom Khoz, No 1,
1963, pp 21, 22.
JPRS 26031

Sci - Agri
Aug 64

265,961

Test Results of the 20% Solution of Colloidal Sulphur and
Dinitrothiocyanogenbenzene (DRES) as a Fungicide for
Green Plants, by M. P. Zubov, M. A. Morozova, et al, 6 pp.
RUSSIAN, per, Khim y Sel'skom Khoz, No 1, 1964,
pp 121-23.
JPRS 28023

Sci - Agri
Feb 65

273,242

Pre-Sowing Treatment of Seeds by Molybdenum,
by Yu. A. Potanuyeva, 9 pp.
RUSSIAN, per, Khim v Sel'skom Khoz, No 1,
1963, pp 23-25.
JPRS 260321

Sci - Agri, Chem
Aug 64

265,962

The Toxicity of Zinc Salts Depends on the Chemical
Structure of the Replaced Salicylanilide,
by M. F. Zubov, I. G. Fedoseyenko, et al, 5 pp.
RUSSIAN, per, Khim v Sel'skom Khoz, No 1, 1964,
pp 24, 25.
JPRS 28023

Sci - Agri
Feb 65

273,243